

Metering and Payment Systems table

	Description	Who does billing	Components needed	Communication connections	Installation costs	Extra ongoing costs	Time of Day metering possible	Pros	Cons
1	Connected to homeowner's existing meter	Utility	Conduit and wiring	No	Low if conduit runs are not a problem	No	Yes, EVSE and unit are under same rate	Simple, no extra costs	Conduit runs can be extensive
2	Utility submetering (meter separate or inside the EVSE)	Utility	(Meter in a small box), conduit and wiring	Utility company covers	Low	Monthly service charge from utility	Yes	Relatively simple, utility handles metering and billing, can have separate EV rate	Some extra installation and ongoing costs
3	Submetering by building management	Building manager	Meterbox, meter, conduit and wiring	Depending on the type of meter used	Higher, extra cost from submeter	Potentially communication costs, billing labor	Yes	Accurate metering, monthly, quarterly or annual billing/adjustment	Building manager has to do the metering and billing
4	Flat billing with estimate	Building manager	Conduit and wiring	No	Low	No	No	Simple, cheap system	Inaccurate, no time of day option, does not take into account charging outside of home
5	Third party system and billing	Service provider	Conduit, wiring and advanced EVSE	Yes	Varies based on the service provider	Yes, often consisting of flat annual service fee + percentage of billing	Yes	Simple for building manager and user, provides more data, enables multiple users	Expensive, ongoing costs can in some cases be more than electricity costs